

### **Cowee Creek Tributary Addition 3**

*Stream:* Cowee Creek, Stream No. 115-20-10620 Tributary Addition 3

*Watershed:* Berners Bay – Frontal Lynn Canal

*USGS Quadrangle:* Juneau C-3

*MTRS:* Section: 13 Township: 37 S Range: 63 E

*Date Surveyed:* Oct 3, 11, 2012

*Findings:* This small tributary that feeds into the beaver pond complex provides rearing habitat for juvenile coho salmon, cutthroat trout, and Dolly Varden char.

*Recommendations:* We recommend adding this stream course to the AWC as a tributary addition to Cowee Creek, Stream No. 115-20-10620.

*Nomination form submitted:* Yes

*Nomination Status:*

*Notes:*

Table 1. Survey notes from Oct 3 & 11, 2012

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
55	58.653318	-134.939475	Set 2 Steel and 2 collapsible minnow traps in tributary to Beaver pond complex at 11:20 AM - Time out 15:30	4 Minnow Traps	10 DV - 70-100 mm, 21 CT - 65-135 mm, 16 CO - 60-120 mm
56	58.654911	-134.941018	Set 2 Steel and 1 collapsible minnow traps around bridge at 11:40 AM - Time Out at 15:00	3 Minnow Traps	12 CO - 65-130 mm, 1 CT - 128 mm, 4 DV - 115-190 mm
57	58.655952	-134.941719	Setting two steel minnow traps and two collapsible at 11:50 AM- Time Out 14:45.	4 Minnow Traps	1 CT - 265 mm, 3 CO - 110-118 mm, 3 DV - 110-190 mm
58	58.658975	-134.942356	Small Stream crosses trail - setting one steel minnow trap at 12:15 PM - Time Out: 14:30	1 Minnow Trap	14 CT - 60-85 mm, 3 CO - 60-100
59	58.660593	-134.943783	Small feeder stream into larger beaver complex - Set 1 collapsible minnow trap at 12:20 -	1 Minnow Trap	1 CO - 117 mm
60	58.661177	-134.944181	Setting a minnow trap at 12:35 in intermediate beaver dam below main complex - several fish visible	1 Minnow Trap	No Fish
61	58.660458	-134.942046	Setting one collapsible minnow trap along edge of large Beaver Pond below lodge.	1 Minnow Trap	No Fish
62	58.660726	-134.940997	Nicole found a Coho - approximately 70 mm, in grass on top of beaver dam	Fish in Hand	1 Coho - 70 mm

Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
63	58.653384	-134.939446	Bridge across flooded tributary - first crossing heading down. Working our way upstream and shocking		
64	58.652985	-134.939344	Captured 1 CT - 65 mm - E-fisher settings - 375 volts, 30 Hz, 15% Duty Cycle	Electrofischer	1 CT - 65 mm
65	58.652948	-134.939244	Captured 2 CT - 60-80 mm	Electrofischer	2 CT - 60-80 mm
66	58.652913	-134.939117	Captured 1 CT - 75 mm, 1 DV - 150 mm	Electrofischer	1 CT - 75 mm, 1 DV - 150 mm

67	58.652845	-134.939071	Captured 1 CT - 60 mm - heading back to bridge - no barriers, but coho not found yet so heading to next trib	Electrofisher	1 CT - 60 mm
68	58.653981	-134.93946	Beaver Dam ~ 3 ft tall - continuing down		
69	58.654979	-134.938556	Trib forks - walking down River Right branch		
70	58.654779	-134.94137	2 CT E- fished, 65-95 mm	Electrofisher	2 CT - 65-95 mm
71	58.65506	-134.941807	3 CT - 70-130 mm - heading down, no barriers but no coho found yet	Electrofisher	3 CT - 70-130 mm
72	58.654442	-134.939356	meets up with other tributary - back to trail		
73	58.659225	-134.942426	at small tributary leading into beaver ponds - shocking up		
74	58.659256	-134.942547	1 Coho - 40 mm, 2 CT - 60-80 mm	Electrofisher	1 Coho - 40 mm, 2 CT - 60-80 mm
75	58.65927	-134.942728	2 CT - 75 - 85 mm E-fished	Electrofisher	2 CT - 75-85 mm
76	58.659269	-134.942768	1 CT - 35 mm, no barriers, but going down to connect dots downstream.	Electrofisher	1 CT - 35 mm
77	58.659223	-134.941274	Connected trib with main beaver pond		
78	58.659221	-134.941276	Pocket		
79	58.660493	-134.943681	Heading up small trib leading into beaver complex		
80	58.661767	-134.944502	Handnetted 6 Coho - 60-90 mm in small isolated pool, in dry river bed. Many more present - will likely dry if no rain comes soon.	Handnet	6 Coho - 60-90 mm
81	58.66133	-134.943822	Intermediate dam that blocks water from dry channel with coho in it - walking edge		
82	58.657219	-134.941094	edge of beaver pond habitat		
Waypoint	Latitude	Longitude	Notes	Sample Effort	Sample Result
19	58.6604761	-134.9432649	Start Tracks - Beginning of standing water		
20	58.66006882	-134.9431093	Crosses trail, finger of pond extends about 35 feet up past here. We will return to large pond		
21	58.66045221	-134.9420667	Stream originates from under dam, looks muddy and worked upon		
22	58.66073149	-134.9409421	End of beaver dam, downstream is old cowee creek bed maybe		
23	58.66059747	-134.940527	this corner doesn't look like great habitat. Edge of wetted area left edge to wander		
24	58.65914178	-134.9397148	returned to edge (~perpendicular) gets very soggy, floating mat		
25	58.6591142	-134.9402047	Edge of pond (Brian hiked out and took wpt) Will return to solid ground, continue south.		
26	58.6599617	-134.9419084	Unrelated: Launch site for traps		
27	58.66035598	-134.9420276	Trap 1 13:15-15:15	1 Hoop Trap	5 Cutthroat - 200-320 mm, 20 Coho - 90-120 mm, 3 DV - 70-200 mm
28	58.65938343	-134.9404863	Trap 2 13:30-15:30	1 Hoop Trap	5 Cutthroat - 200-350 mm, 3 Cutthroat - 150-200 mm, 9 DV - 120 - 200 mm, 15 Coho - 100-120 mm
29	58.65791484	-134.9408904	Trap 3 13:45-14:15	1 Hoop Trap	5 Cutthroat - 200-350 mm, 6 Cutthroat - 100-200 mm, 3 Cutthroat - 60-100 mm, 37 Coho - 90-120 mm, 8 DV - 120-160 mm

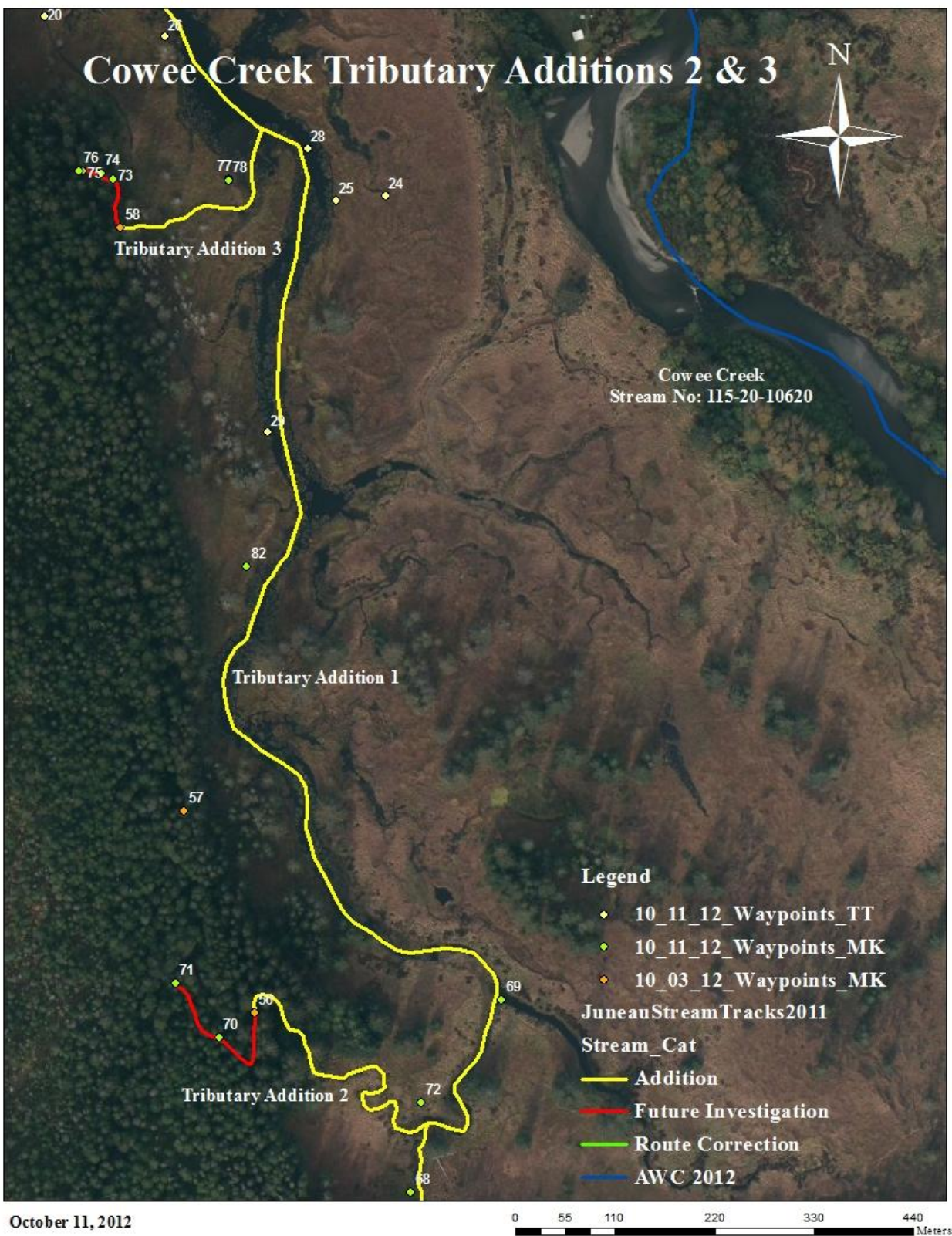


Figure 1. Map of Cowee Creek Tributary Addition 2 &amp; 3.